

Asgn0 Design

1.0 Introduction

Mimics the functionality of cat in that it copies data from each of the files specified on the command line to standard output, in the **reverse** order that they appear in the command line.

2.0 Implementation

2.1

The filenames are stored in the argument array argv

2.2

Main loops through each argument in the array in reverse order.

- If a given argument is equal to "-", call readstdin()

- Else attempt to open a file, and call readfile() with the file descriptor from open()

- If the file doesn't open correctly print an error

2.3

readstdin() takes no inputs and simply calls getchar() and putchar() while not EOF

2.4 readfile(int) takes a file descriptor creates a buffer of size BUFFER_SIZE then call read() to read data up to BUFFER_SIZE, print each character in the buffer, then repeat while there is more to read in the file.